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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet of

Confirmation Number	9399
Application Number	10/667685
Filing Date	09/22/2003
First Named Inventor	Mark A. Heldreth
Group Art Unit	3733
Examiner Name	Ramana, Anuradh
Attorney Docket Number	DEP777NP

U.S. PATENT DOCUMENTS

Exam Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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AL		CARLSON, CHARLES E., ET AL, "A Radio Telemetry Device for Monitoring Cartilage Surface Pressures in the Human Hip," IEEE Transactions on Biomedical Engineering (July 1974) Vol. BME-21, No. 4	
AL		RYDELL, NILS W., "Forces Acting on the Femoral Head-Prosthesis," (1966)	

Examiner Signature	Anuradha Ramana	Date Considered	1/7/08
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This collection of information is required by 37 CFR 1.97 and 1.98. The information required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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**INFORMATION DISCLOSURE
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Sheet 1 of 4

Complete if Known

Application Number	10/667,685
Filing Date	09/22/2003
First Named Inventor	Mark Heldreth
Art Unit	3733
Examiner Name	Anuradha Ramana
Attorney Docket Number	DEP777NP

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AK		US- 5033291	07/23/1991	Podoloff, et al	
		US- 4856993	08/15/1989	Maness, et al	
		US- 5197488	03/30/1993	Kovacevic, Nebojsa	
		US- 5360016	11/01/1994	Kovacevic, Nebojsa	
		US- 5496352	03/05/1996	Renger, Herman L.	
		US- 5470354	11/28/1995	Hershberger, et al	
		US- 5425775	06/20/1995	Kovacevic, et al	
		US- 6174294	01/16/2001	Crabb, et al	
		US- 5197488	03/30/1993	Kovacevic, Nebojsa	
		US- 5326363	07/05/1994	Aikins, Jerry L.	
		US- 5360016	11/01/1994	Kovacevic, Nebojsa	
		US- 5425775	06/20/1995	Kovacevic, et al	
		US- 5840047	11/24/1998	Stedham, David M.	
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

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Anuradha Ramana

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Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/667,685		
		Filing Date	09/22/2003		
		First Named Inventor	Mark Heldreth		
		Art Unit	3733		
		Examiner Name	Anuradha Ramana		
Sheet	2	of	4	Attorney Docket Number	DEP777NP

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AR		HARRIS, M.L., ET AL, "An Improved Method for Measuring Tibiofemoral Contact Areas in Total Knee Arthroplasty: A Comparison of K-Scan Sensor and Fuji Film," Journal of Biomechanics (1999), 32 ed., p. 951-958,	
		SZIVEK, JOHN A., PHD., ET AL, "Average and Peak Contact Stress Distribution Evaluation of Total Knee Arthroplasties," The Journal of Arthroplasty (1996), Vol. 11 (No. 8), p. 952-963,	
		BEHRENS, FRED M.D., ET AL, "Bendign Stiffness of Unilateral and Bilateral Fixator Frames," Clinical Orthopaedics and Related Research (September 1983), p. 103-110,	
		VALDEVIT, ANTONIO, ET AL, "Characterization and Application of Think Film Pressure Sensors," Bio-Medical Materials and Engineering (1999), p. 81-88,	
		GOLA, M.M., ET AL, "Developments in Transducer Stems for Mechanical Coupling Measurements in Endoprosthetics," MEP Ltd. (1982), Vol. 11 (No. 4), p. 183-186,	
		AN, KAI-NAN ET AL, "Direct In Vivo Tendon Force Measurement System," J. Biomechanics (1990), Vol. 23 (No. 12), p. 1269-1271,	
		FILIAGGI, MARK J., ET AL, "Evaluating Sol-Gel Ceramic Thin Films for Metal Implant Applications. II. Adhesion & Fatigue Properties of Zirconia Films on Ti-6Al-4V," Journal of Biomedical Materials Research (Applied Biomaterials) (1996), p. 239-256,	
		KAUFMAN, KENTON R., ET AL, "Instrumented Implant for Measuring Tibiofemoral Forces (1996)," Journal Biomechanics, Vol. 29 (No. 5), p. 667-671,	
		MARKOLF, KEITH L., PH.D., ET AL, "In Vitro Measurement of Bone-Acrylic Interface Pressure During Femoral Component Insertion," Clinical Orthopaedics and Related Research (November-December, 1976), p. 60-66,	
AR		ENGLISH, T.A., ET AL, "In Vivo Records of Hip Loads Using a Femoral Implant with Telemetric Output (A Preliminary Report)," Journal Biomedical Engineering (April 1979), Vol. 1 (No. 2), p. 111-115,	

Examiner Signature	Anuradha Ramana	Date Considered	1/7/08
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of

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Application Number

10/667,685

Filing Date

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First Named Inventor

Mark Heldreth

Art Unit

3733

Examiner Name

Anuradha Ramana

Attorney Docket Number

DEP777NP

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AL		OH, INDONG, M.D., ET AL, "Proximal Strain Distribution in the Loaded Femur," The Journal of Bone and Joint Surgery (January 1978), Vol. 60A (No. 1), p. 75-85,	
		TAKAHASHI, TOSHIKI ET AL, "Soft Tissue Balancing with Pressure Distribution During Total Knee Arthroplasty," The Journal of Bone and Joint Surgery (March 1997), p. 235-239,	
		DAVY, D.T., ET AL, "Telemetric Force Measurements Across the Hip after Total Arthroplasty," The Journal of Bone and Joint Surgery (January 1988), Vol. 70A (No. 1), p. 45-50,	
		BROWN, RICHARD H., ET AL, "Telemetering In Vivo Loads from Nail Plate Implants," Journal Biomechanics (1982), Vol. 15 (No. 11), p. 815-823,	
		LAU, J.J., ET AL, "The Influence of Inserting of Fuji Pressure Sensitive Film Between the Tibiofemoral Joint of Knee Prosthesis on Actual Contact Characteristics," Clinical Biomechanics (2001), p. 160-166,	
		GUPTA, SUSHI K., M.D., ET AL, "Use of Piezoelectric Film Sensor for Monitoring Vascular Grafts," The American Journal of Surgery (August 1990), p. 182-186,	
		MCDERMOTT, A.G.P., M.D., ET AL, "A New Method to Measure Intraosseous Pressures," Clinical Orthopaedics and Related Research (July 1986), p. 25-27,	
		MANN, R.W., ET AL, "Rehabilitation Implications of In Vivo Hip Pressure Measurements," Proceedings of the Ninth Annual Conference on Rehabilitation Technology (June 23-26, 1986), Association for the Advancement of Rehabilitation Technology (Minneapolis, Minnesota (Copyright 1986)),	
		RUSHFELDT, P.D., ET AL, "Improved Techniques for Measuring In Vitro The Geometry and Pressure Distribution in the Human Acetabulum -- II. Instrumented Endoprosthesis Measurement of Articular Surface Pressure Distribution," J. Biomechanics, Vol. 14 (No. 5), p. 315-323,	
AK		CARLSON, CHARLES E., ET AL, "A Look at the Prosthesis-Cartilage Interface: Design of a Hip Prosthesis Containing Pressure Transducers," J. Biomedical Material Research Symposium (1974), John Wiley & Sons, Inc., p. 261-269,	

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Sheet	84	of	4	Attorney Docket Number	DEP777NP

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AK		HODGE, W.A., M.D., ET AL, "Contact Pressures from an Instrumented Hip Endoprosthesis," The Journal of Bone and Joint Surgery Incorporated (October 1989), Vol. 71A (No. 9), p. 1378-1386,	
↑		JOHNSON, WESLEY D., ET AL, "Test Methodology: Evaluation of Load Transfer Across a Total Knee Replacement," Spring National Design Engineering Show & Conference, p. 131-138,	
↓		BEREITER, H., M.D., ET AL, "Telemetric Measurement of the Pressure Conditions in the Interface of an Implanted Acetabulum Prosthesis (In-Vivo)," Rhatisches Kantonsspital Chur, Institut fur Physik Basel, Orthopadische Universitätsklinik Basel,	
AK		WASIELEWSKI, RAY C. "Declaration" unpublished, dated 8/22/07	

Examiner Signature	Anuradha Ramana	Date Considered	1/7/08
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